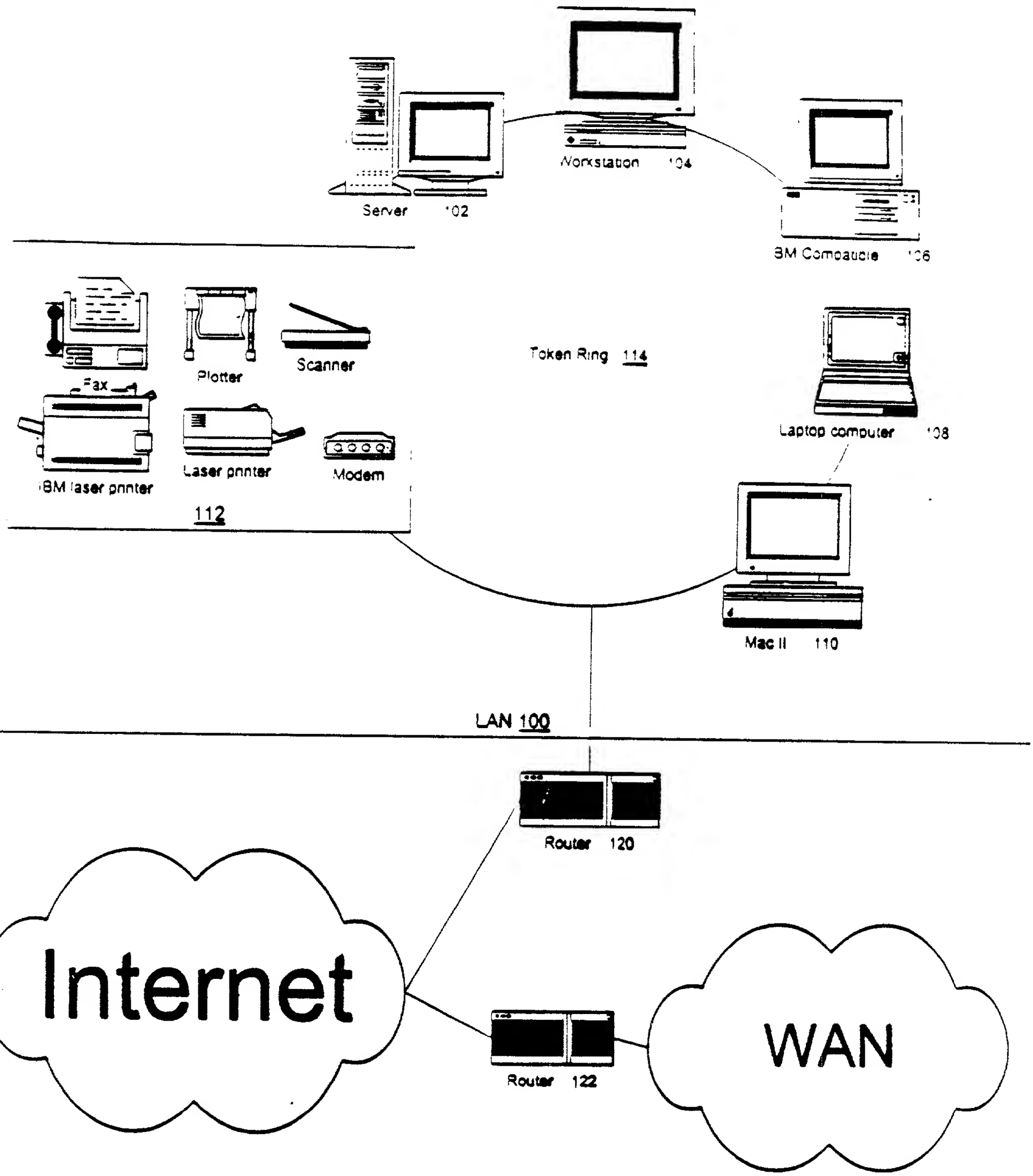
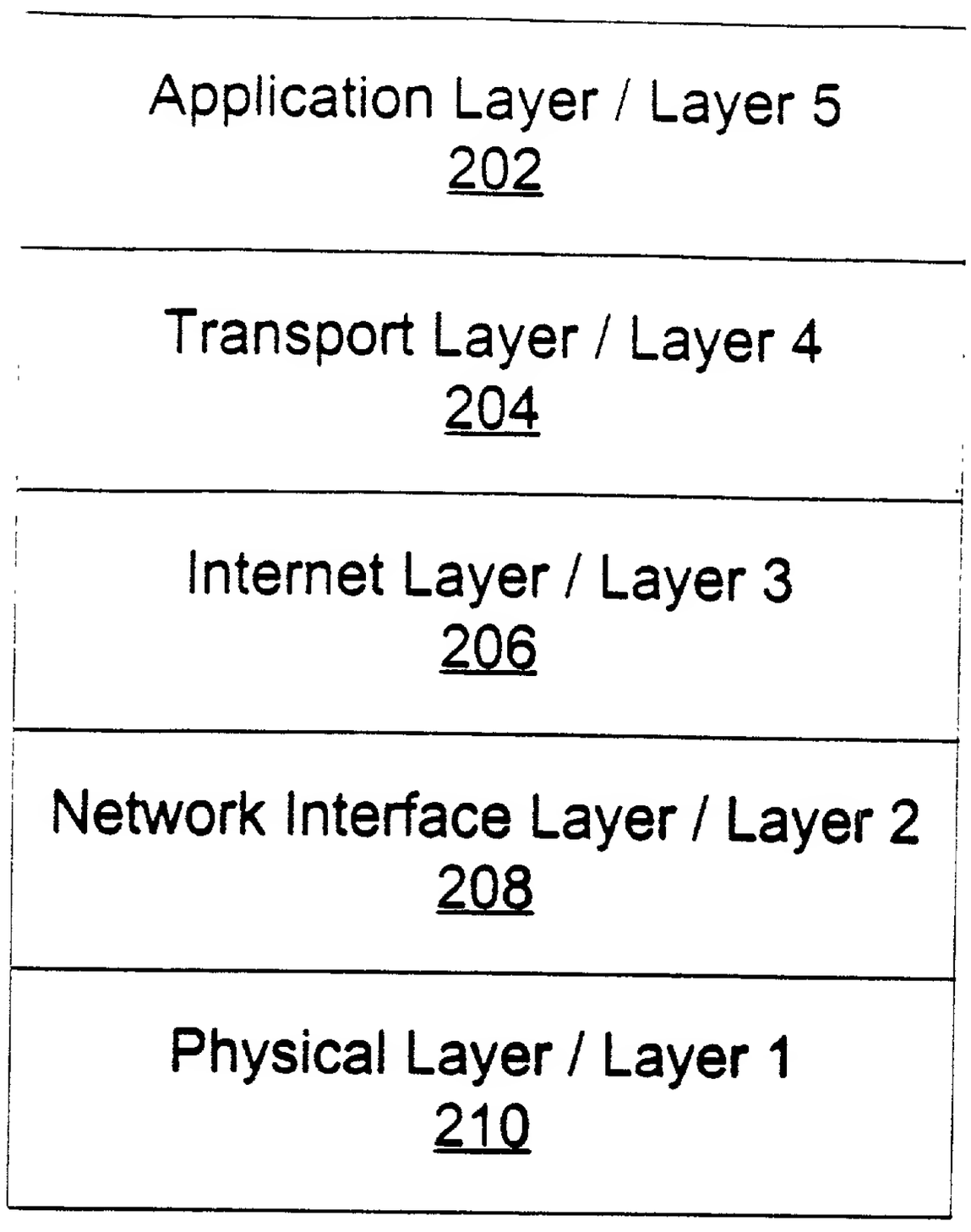

Server 102
Workstation 104
IBM Compatible 106
Laptop computer 108
Mac II 110
Fax
Plotter
Scanner
Laser printer
Modem
IBM laser printer
112
Token Ring 114
LAN 100
Router 120
Internet
Router 122
WAN

Fig. 1




TCP/IP Layering Model

Fig. 2

Fig. 3

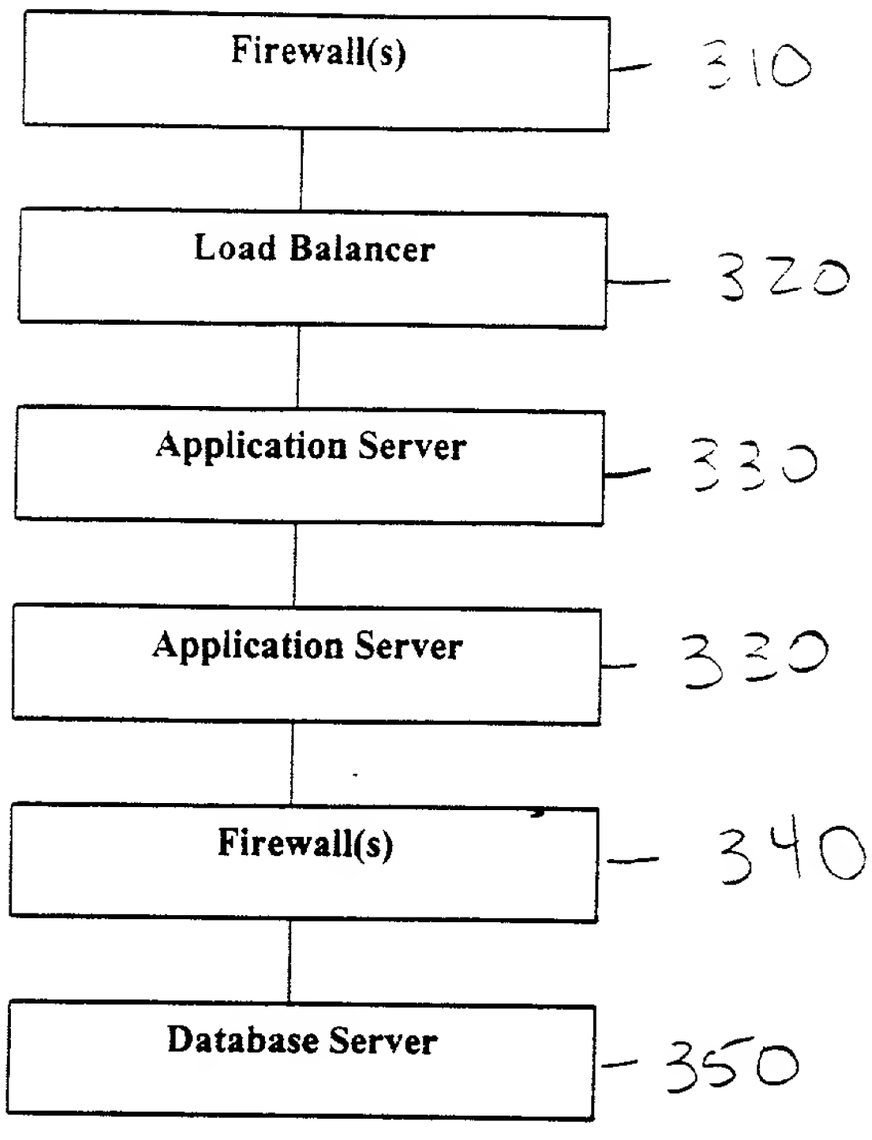

Firewall(s)
310
Load Balancer
320
Application Server
330
Application Server
330
Firewall(s)
340
Database Server
350

FIGURE 4

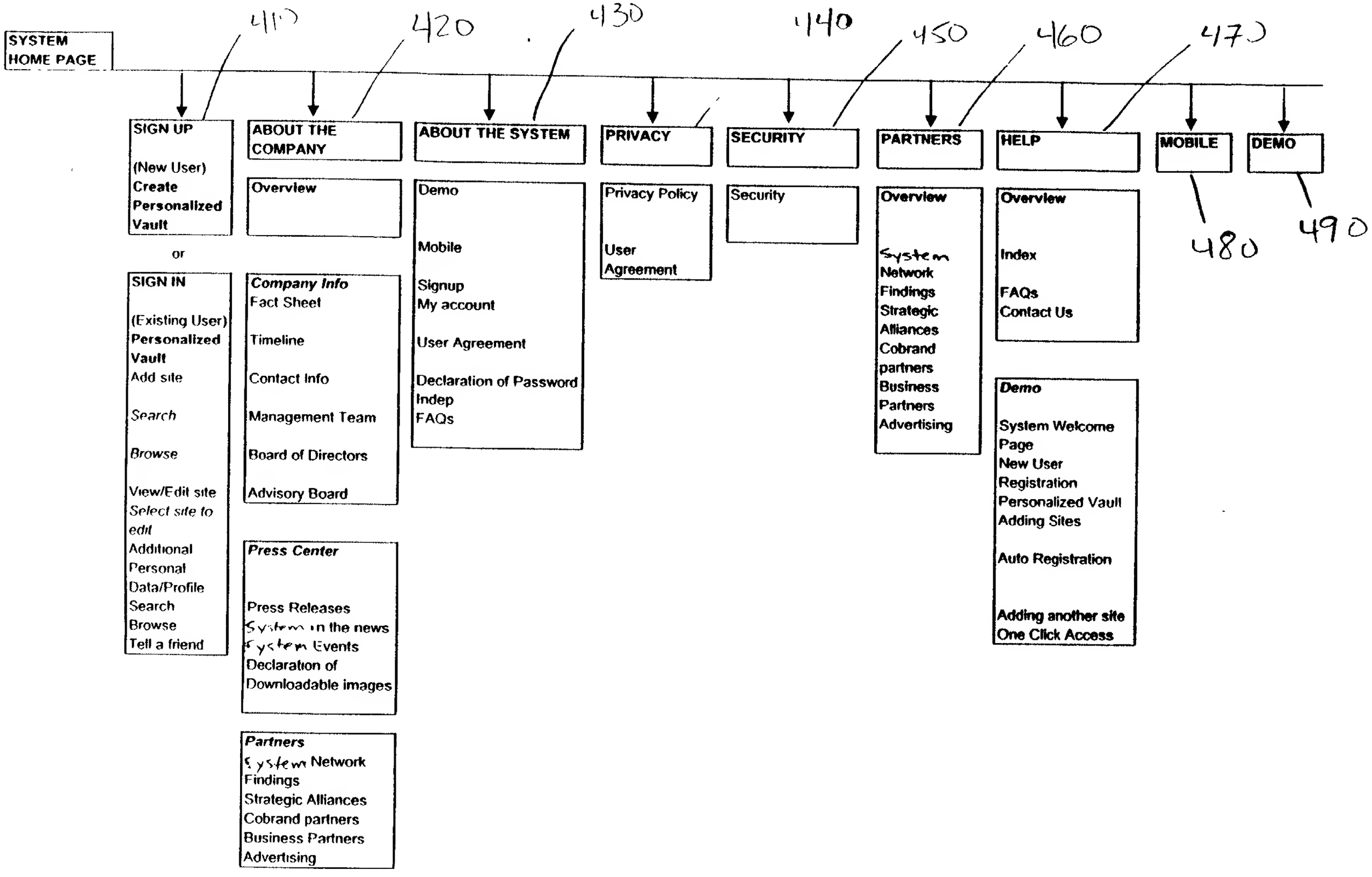

SYSTEM HOME PAGE
410
420
430
440
450
460
470
480
490
SIGN UP
(New User)
Create Personalized Vault
or
SIGN IN
(Existing User)
Personalized Vault
Add site
Search
Browse
View/Edit site
Select site to edit
Additional Personal Data/Profile
Search
Browse
Tell a friend
ABOUT THE COMPANY
Overview
Company Info
Fact Sheet
Timeline
Contact Info
Management Team
Board of Directors
Advisory Board
Press Center
Press Releases
System in the news
System Events
Declaration of
Downloadable images
Partners
System Network
Findings
Strategic Alliances
Cobrand partners
Business Partners
Advertising
ABOUT THE SYSTEM
Demo
Mobile
Signup
My account
User Agreement
Declaration of Password
Indep
FAQs
PRIVACY
Privacy Policy
User Agreement
SECURITY
Security
PARTNERS
Overview
System Network
Findings
Strategic Alliances
Cobrand partners
Business Partners
Advertising
HELP
Overview
Index
FAQs
Contact Us
Demo
System Welcome Page
New User Registration
Personalized Vault
Adding Sites
Auto Registration
Adding another site
One Click Access
MOBILE
DEMO

Fig. 5

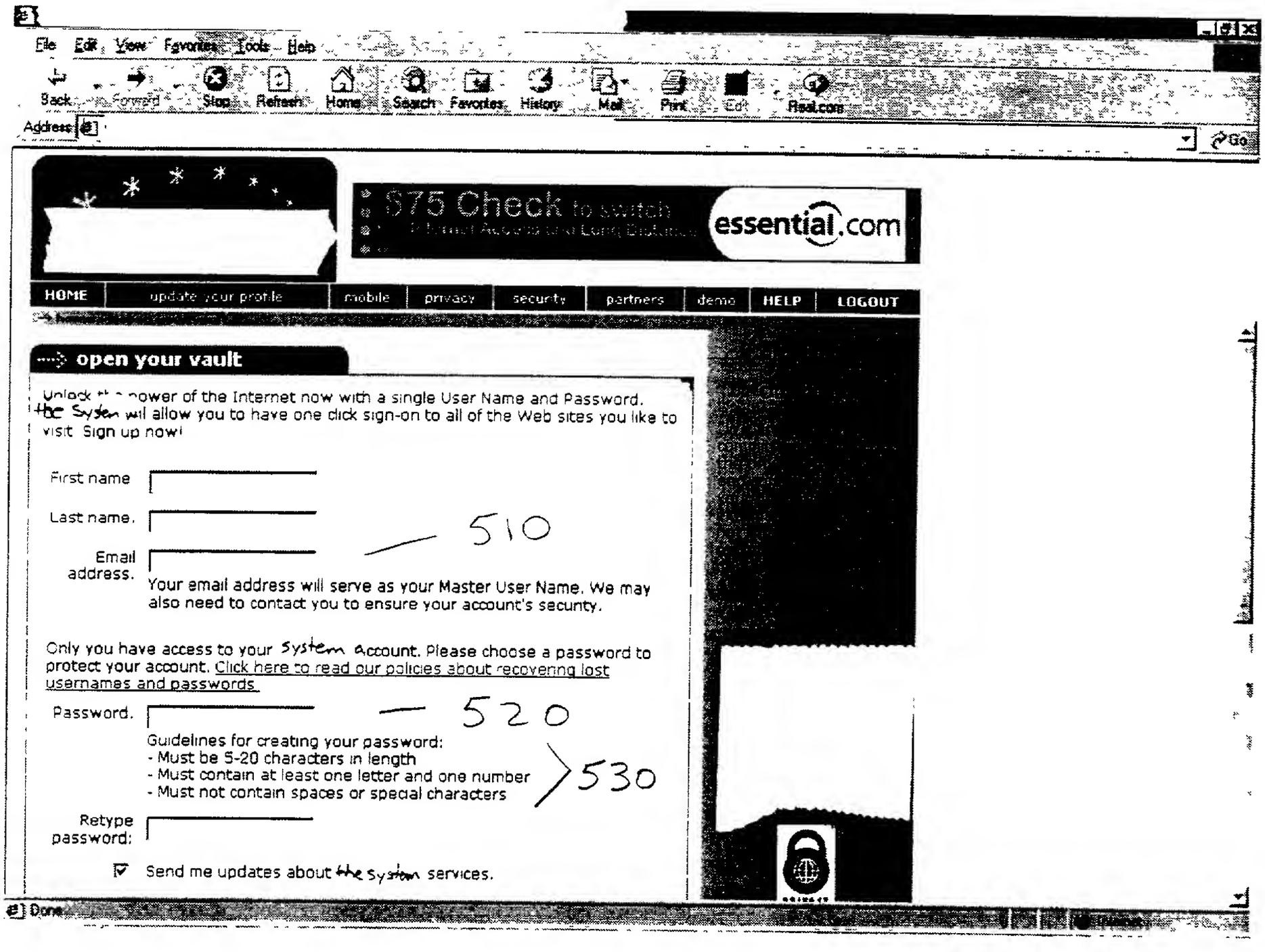

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Real.com
Address
Go
$75 Check to switch
essential.com
HOME
update your profile
mobile
privacy
security
partners
demo
HELP
LOGOUT
open your vault
Unlock the power of the Internet now with a single User Name and Password. the System will allow you to have one click sign-on to all of the Web sites you like to visit. Sign up now!
First name
Last name.
Email address.
510
Your email address will serve as your Master User Name. We may also need to contact you to ensure your account's security.
Only you have access to your System account. Please choose a password to protect your account. Click here to read our policies about recovering lost usernames and passwords
Password.
520
Guidelines for creating your password:
- Must be 5-20 characters in length
- Must contain at least one letter and one number
- Must not contain spaces or special characters
530
Retype password:
Send me updates about the System services.
Done

Fig. 6

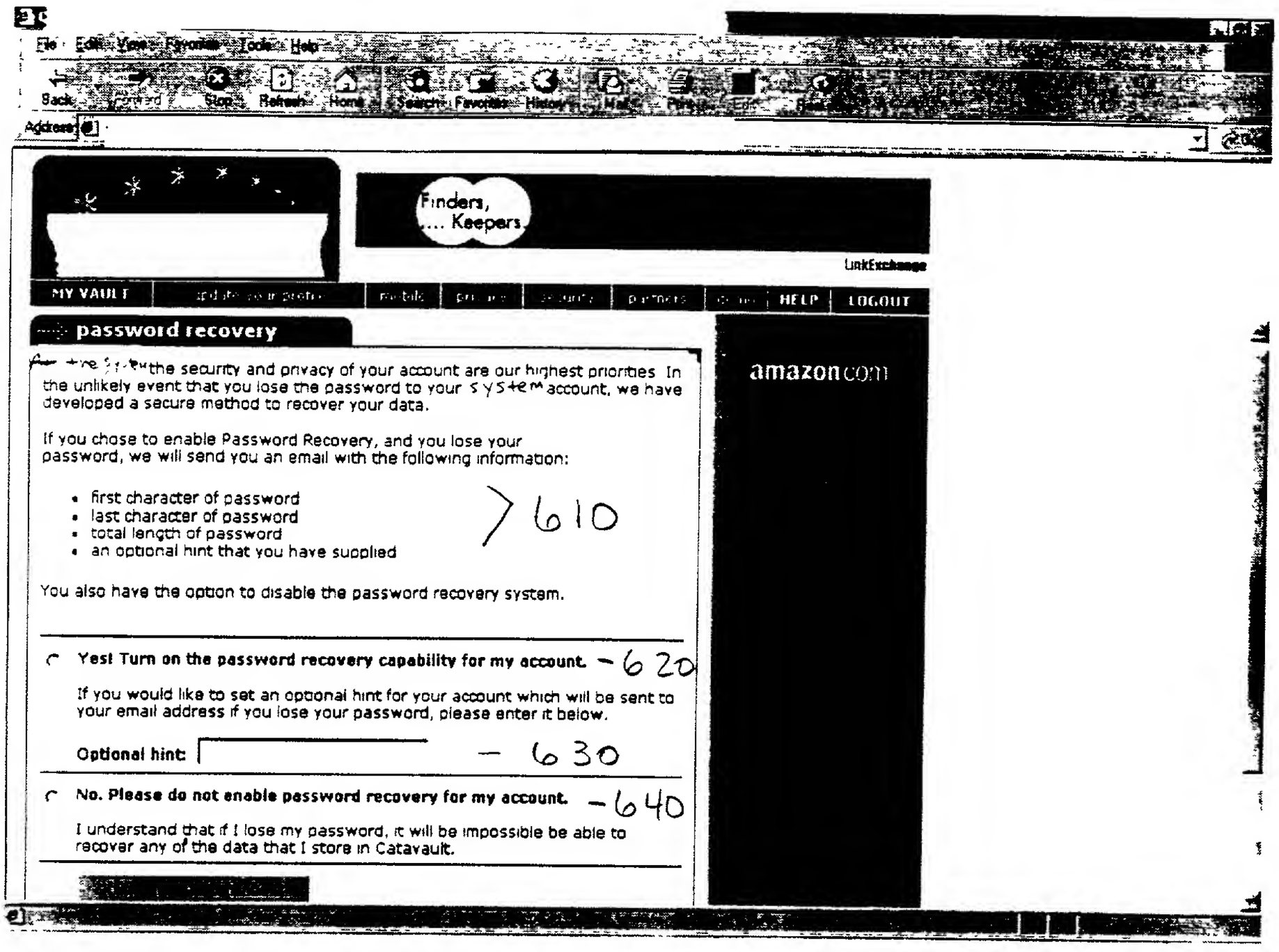

Finders, Keepers
LinkExchange
MY VAULT
HELP
LOGOUT
password recovery
the security and privacy of your account are our highest priorities In the unlikely event that you lose the password to your SYSTEM account, we have developed a secure method to recover your data.
If you chose to enable Password Recovery, and you lose your password, we will send you an email with the following information:
first character of password
last character of password
total length of password
an optional hint that you have supplied
610
You also have the option to disable the password recovery system.
Yes! Turn on the password recovery capability for my account.
620
If you would like to set an optional hint for your account which will be sent to your email address if you lose your password, please enter it below.
Optional hint:
630
No. Please do not enable password recovery for my account.
640
I understand that if I lose my password, it will be impossible be able to recover any of the data that I store in Catavault.
amazon.com

Fig. 7

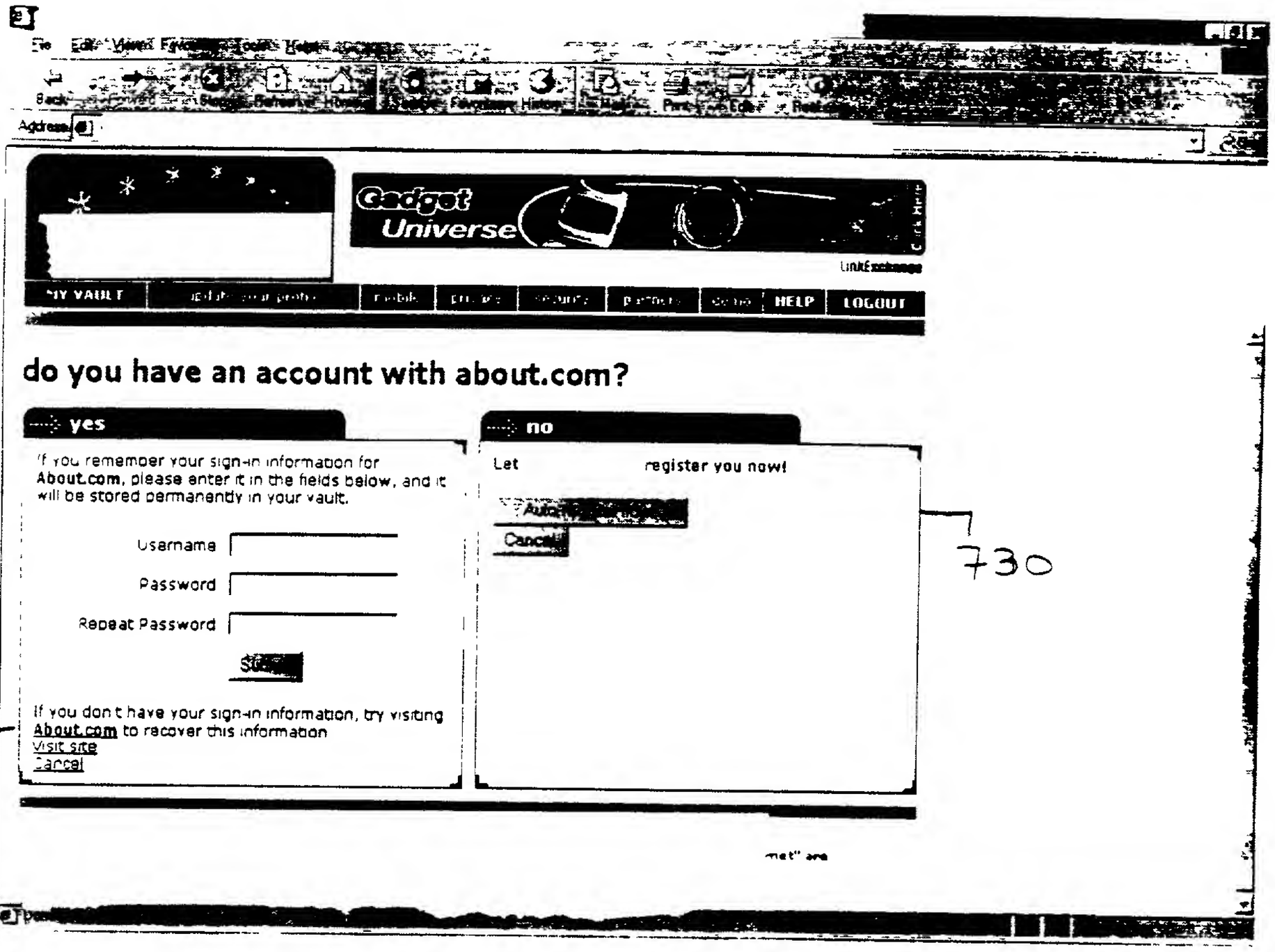

Gadget Universe
MY VAULT
HELP
LOGOUT
do you have an account with about.com?
yes
If you remember your sign-in information for About.com, please enter it in the fields below, and it will be stored permanently in your vault.
Username
Password
Repeat Password
If you don't have your sign-in information, try visiting About.com to recover this information
Visit site
Cancel
no
Let register you now!
Cancel
710
720
730

Fig. 8A

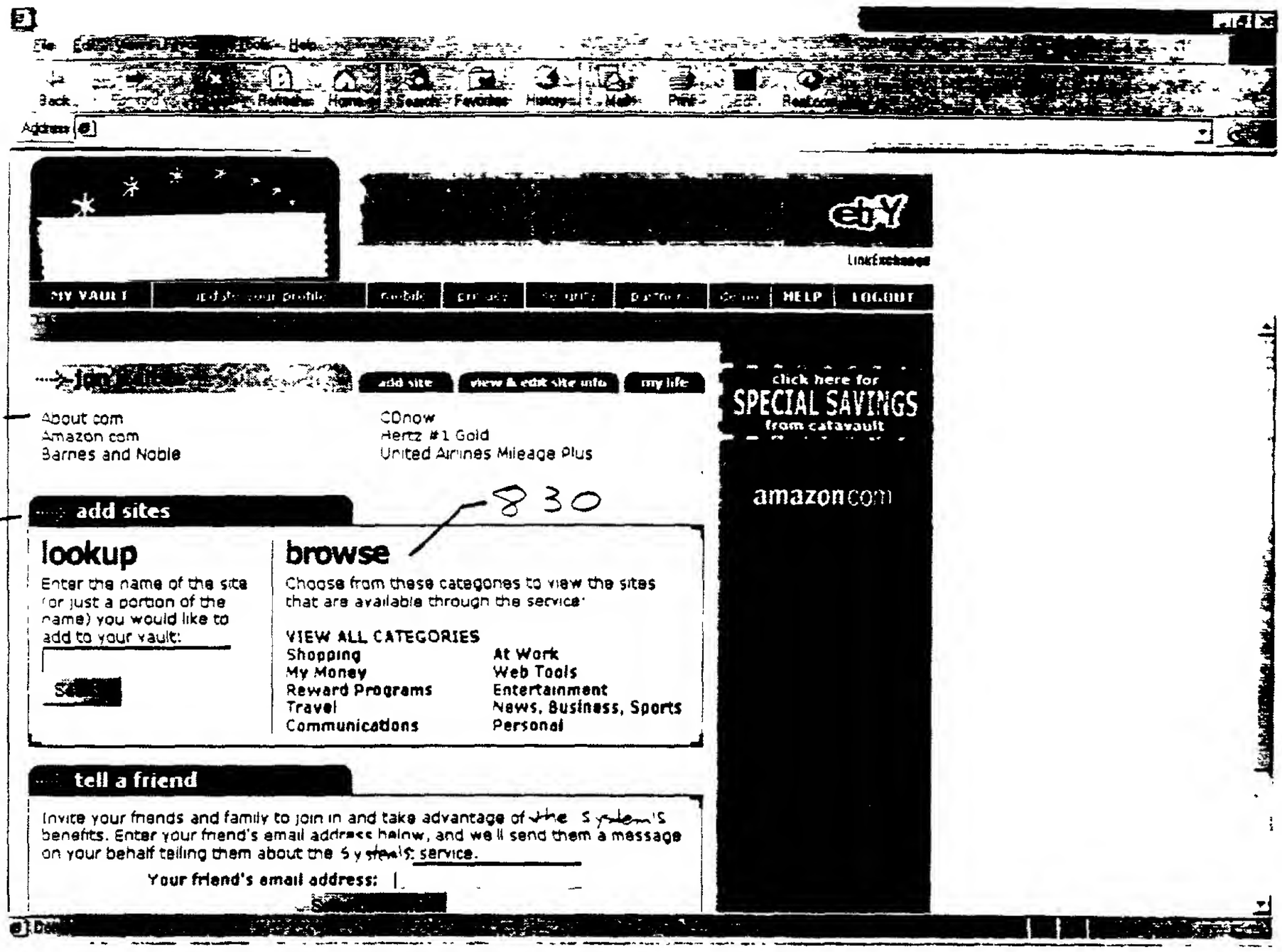
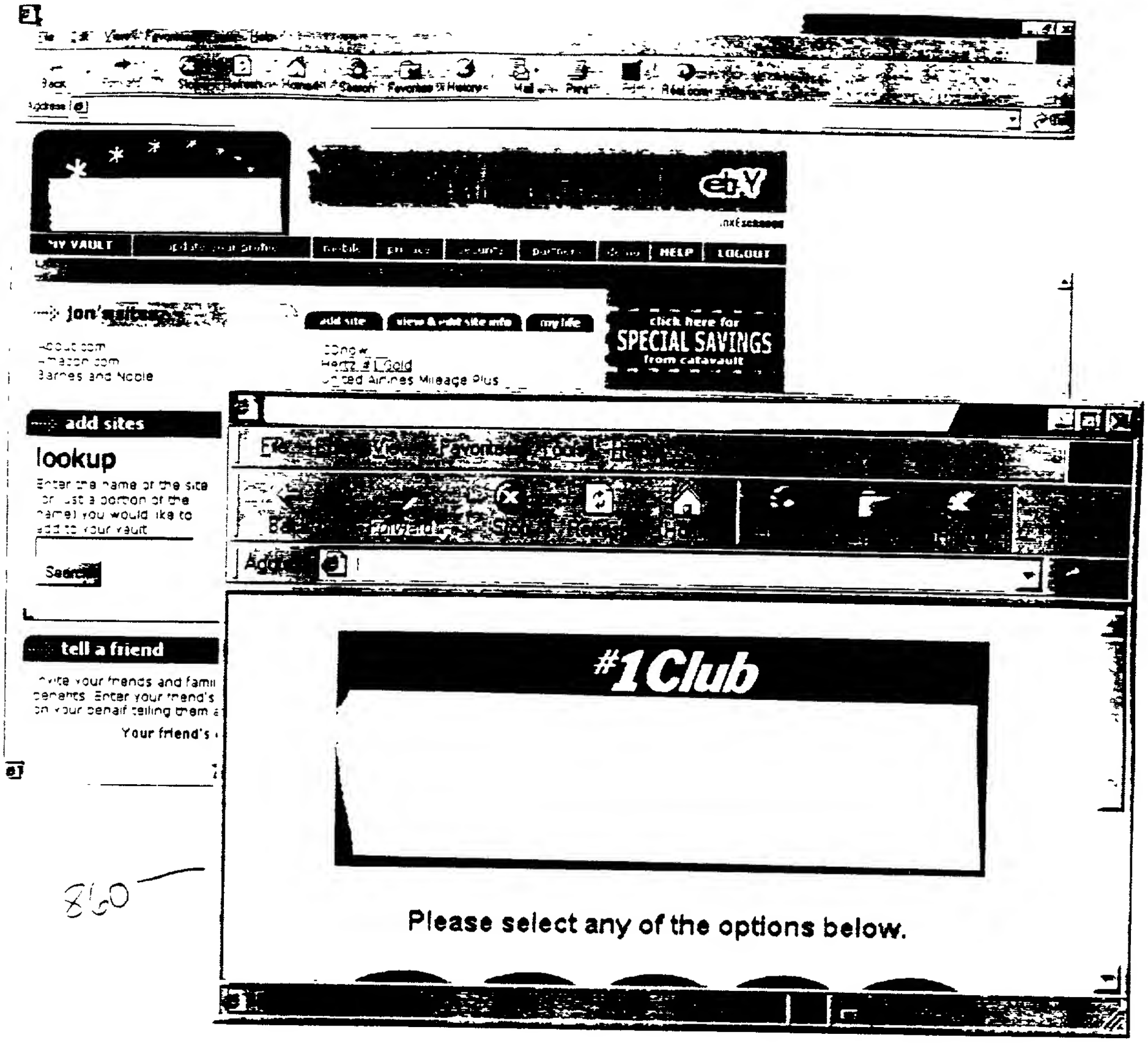

MY VAULT
HELP
LOGOUT
add site
view & edit site info
my life
810
About com
Amazon com
Barnes and Noble
CDnow
Hertz #1 Gold
United Airlines Mileage Plus
820
add sites
830
lookup
Enter the name of the site (or just a portion of the name) you would like to add to your vault:
browse
Choose from these categories to view the sites that are available through the service:
VIEW ALL CATEGORIES
Shopping
My Money
Reward Programs
Travel
Communications
At Work
Web Tools
Entertainment
News, Business, Sports
Personal
tell a friend
Invite your friends and family to join in and take advantage of the System's benefits. Enter your friend's email address below, and we'll send them a message on your behalf telling them about the System's service.
Your friend's email address:
click here for
SPECIAL SAVINGS
from catavault
amazon.com

Fig. 8B


MY VAULT
HELP
LOGOUT
add sites
lookup
Search
tell a friend
click here for
SPECIAL SAVINGS
from catavault
#1 Club
Please select any of the options below.

860

**Figure** 8C

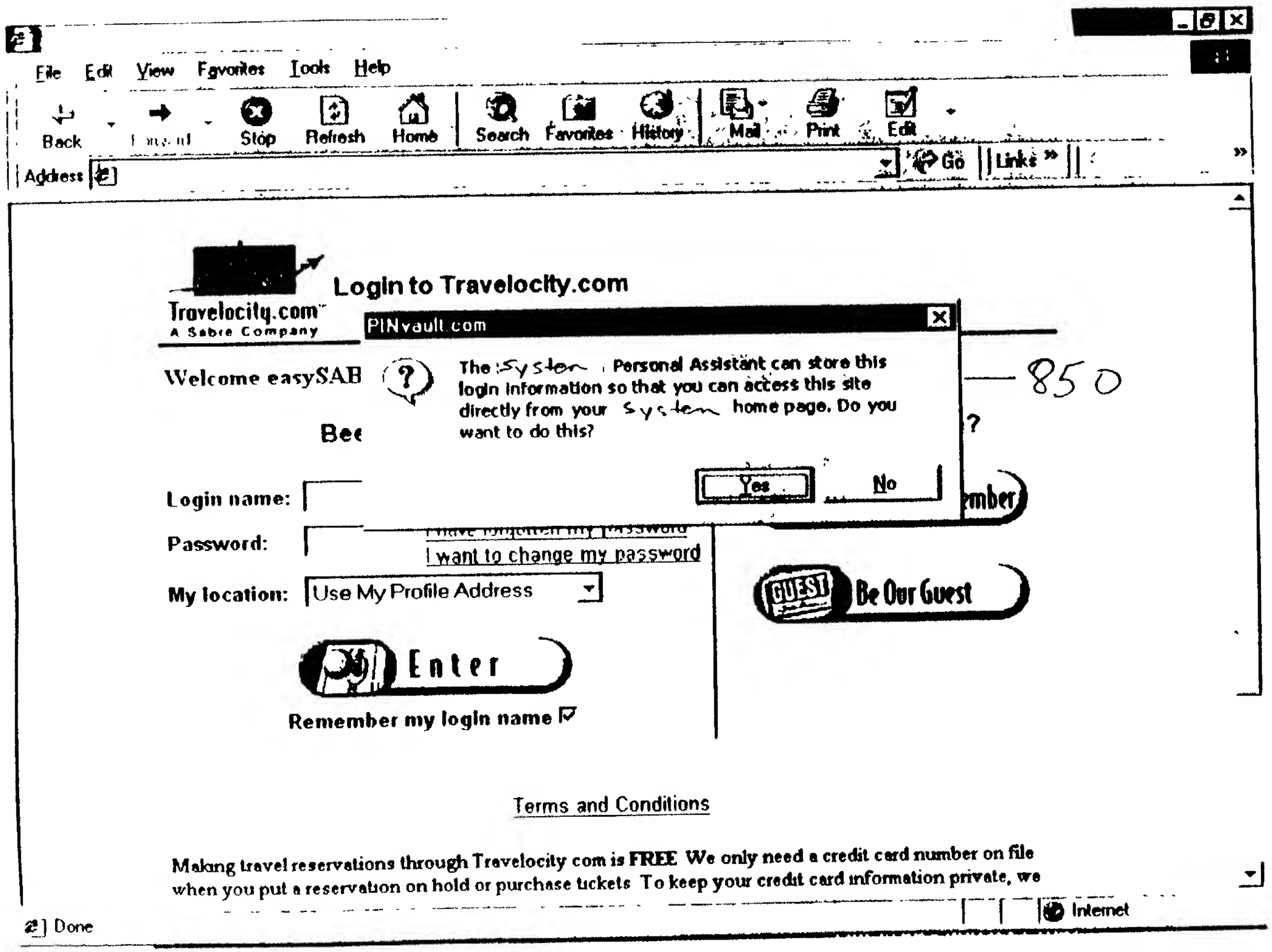

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit
Address
Go Links »
Travelocity.com
A Sabre Company
Login to Travelocity.com
PINvault.com
Welcome easySAB
The system Personal Assistant can store this login information so that you can access this site directly from your system home page. Do you want to do this?
850
Yes
No
Login name:
Password:
I want to change my password
My location:
Use My Profile Address
Enter
Remember my login name
GUEST
Be Our Guest
Terms and Conditions
Making travel reservations through Travelocity com is FREE We only need a credit card number on file when you put a reservation on hold or purchase tickets To keep your credit card information private, we
Done
Internet

Fig. 9A

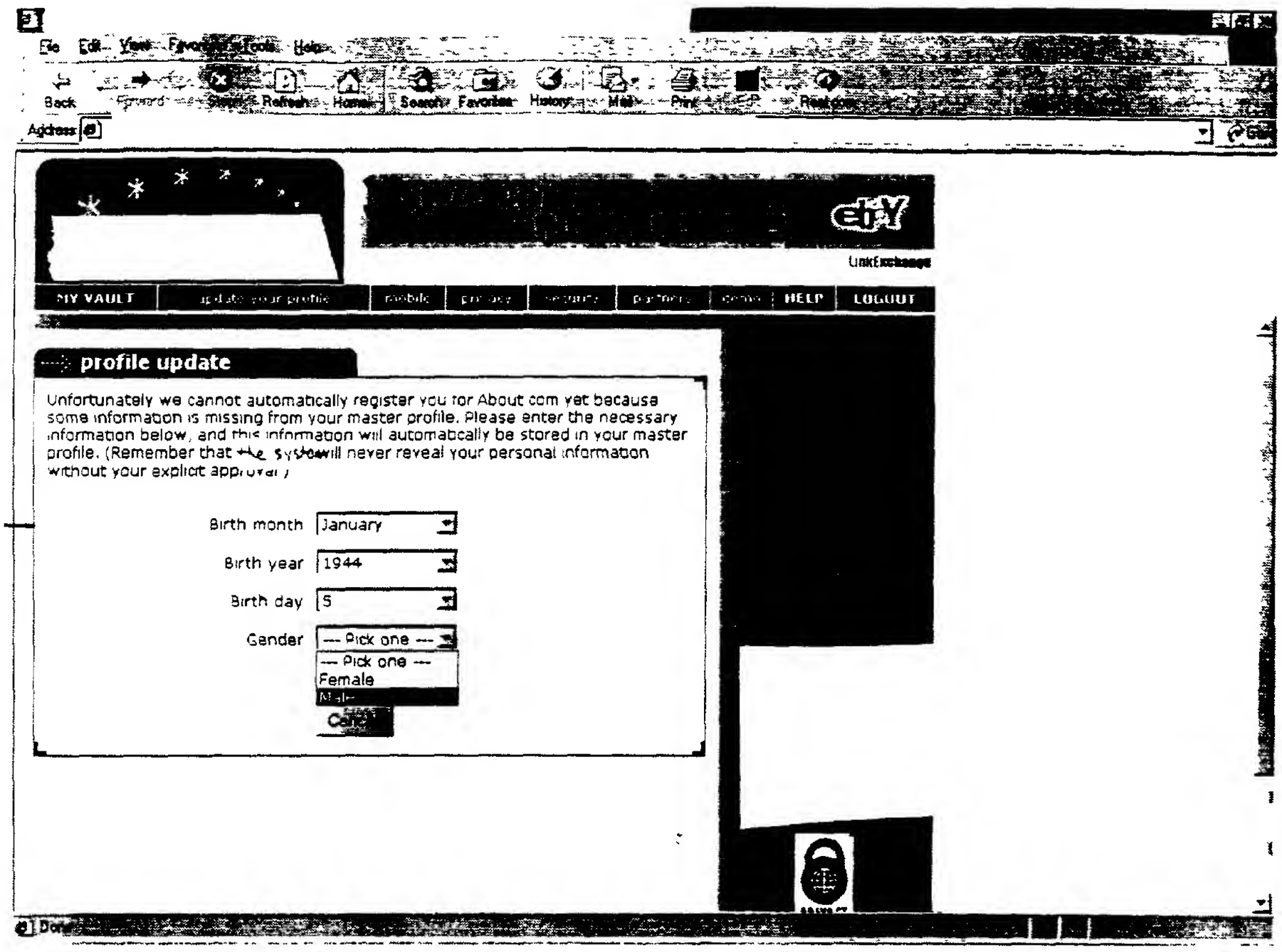

File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Real.com
Address
LinkExchange
MY VAULT
HELP
LOGOUT
profile update
Unfortunately we cannot automatically register you for About.com yet because some information is missing from your master profile. Please enter the necessary information below, and this information will automatically be stored in your master profile. (Remember that the system will never reveal your personal information without your explicit approval.)
910
Birth month January
Birth year 1944
Birth day 5
Gender --- Pick one ---
--- Pick one ---
Female
Male
Cancel

Fig. 9B

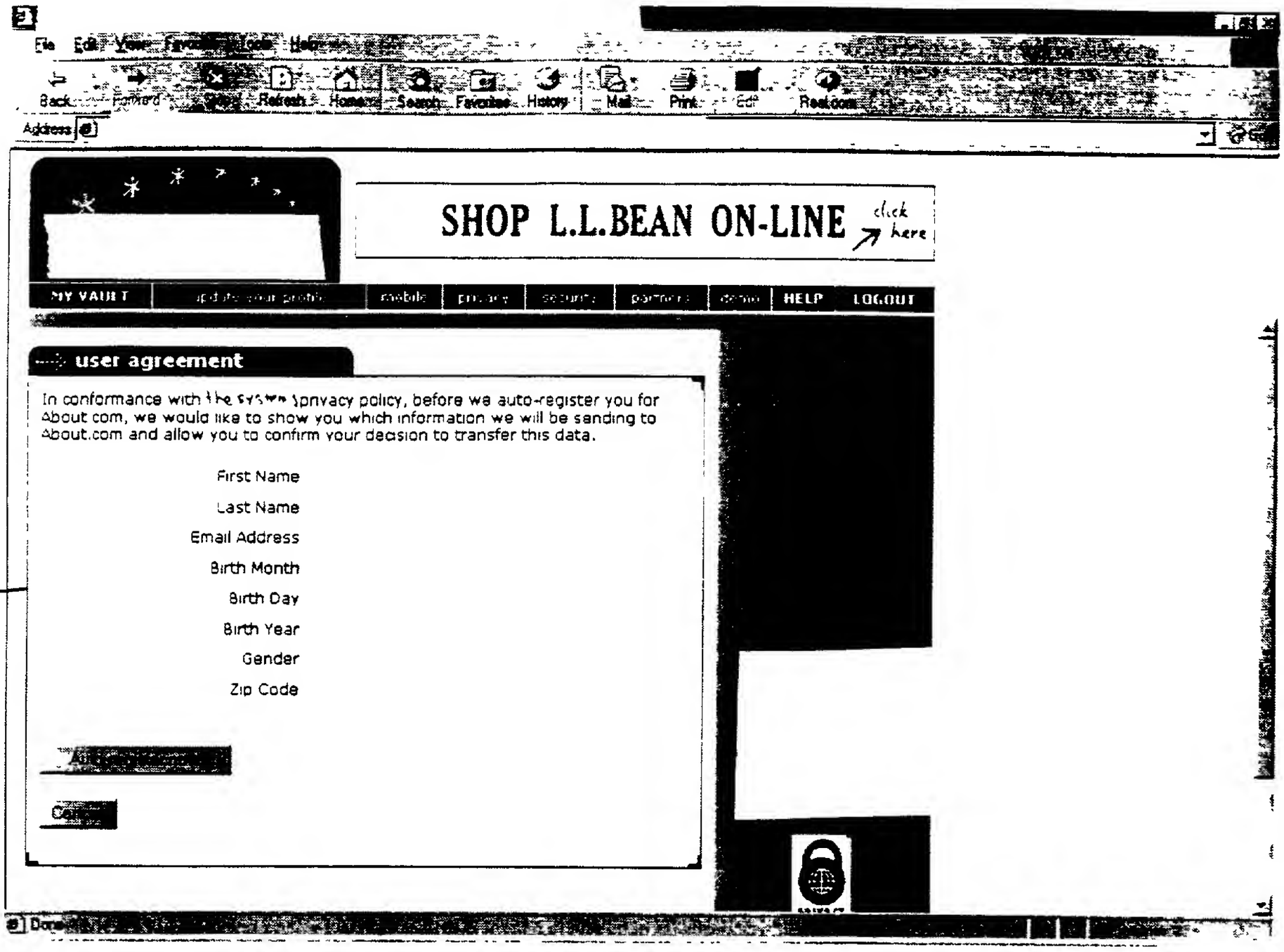
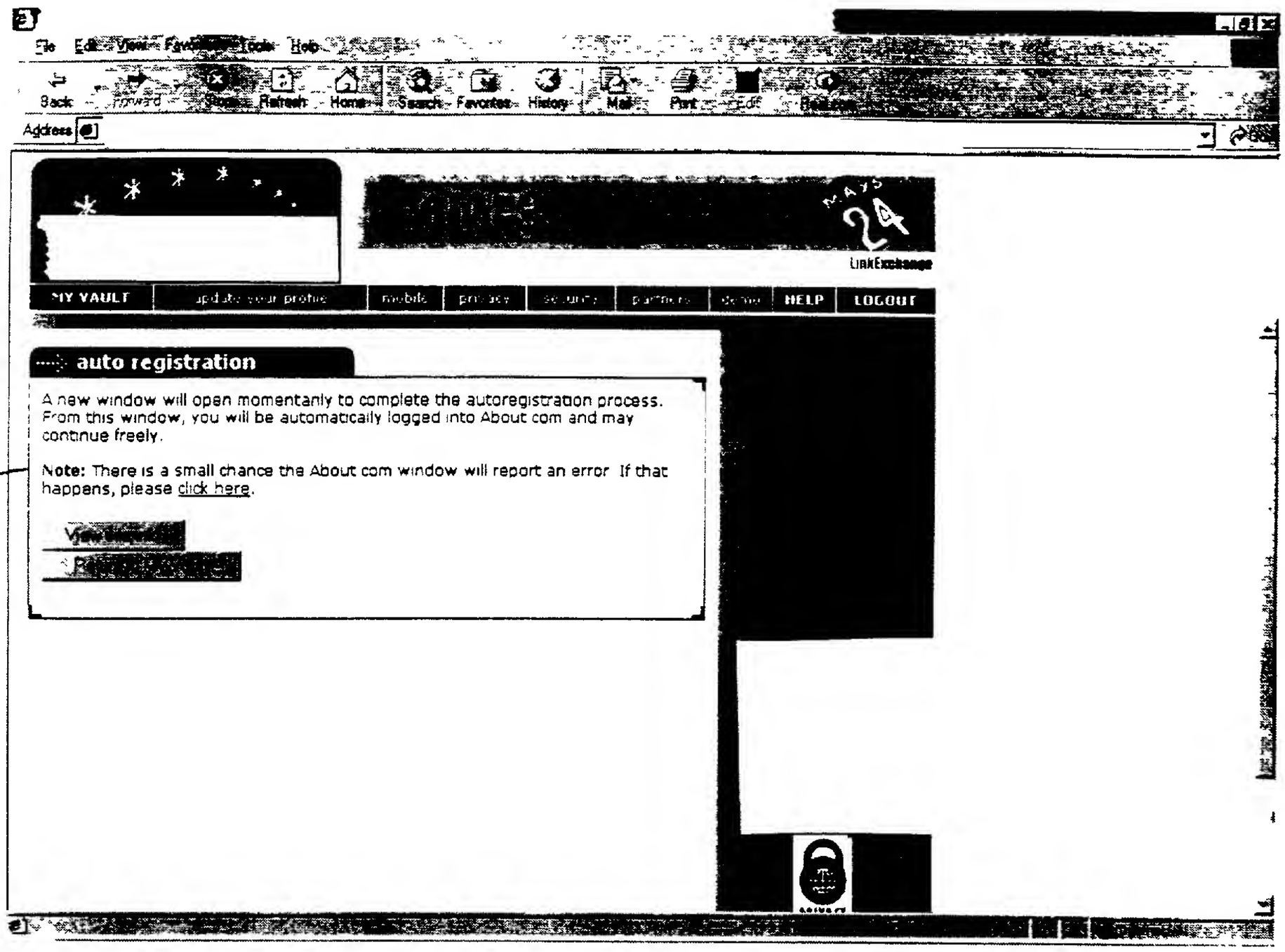
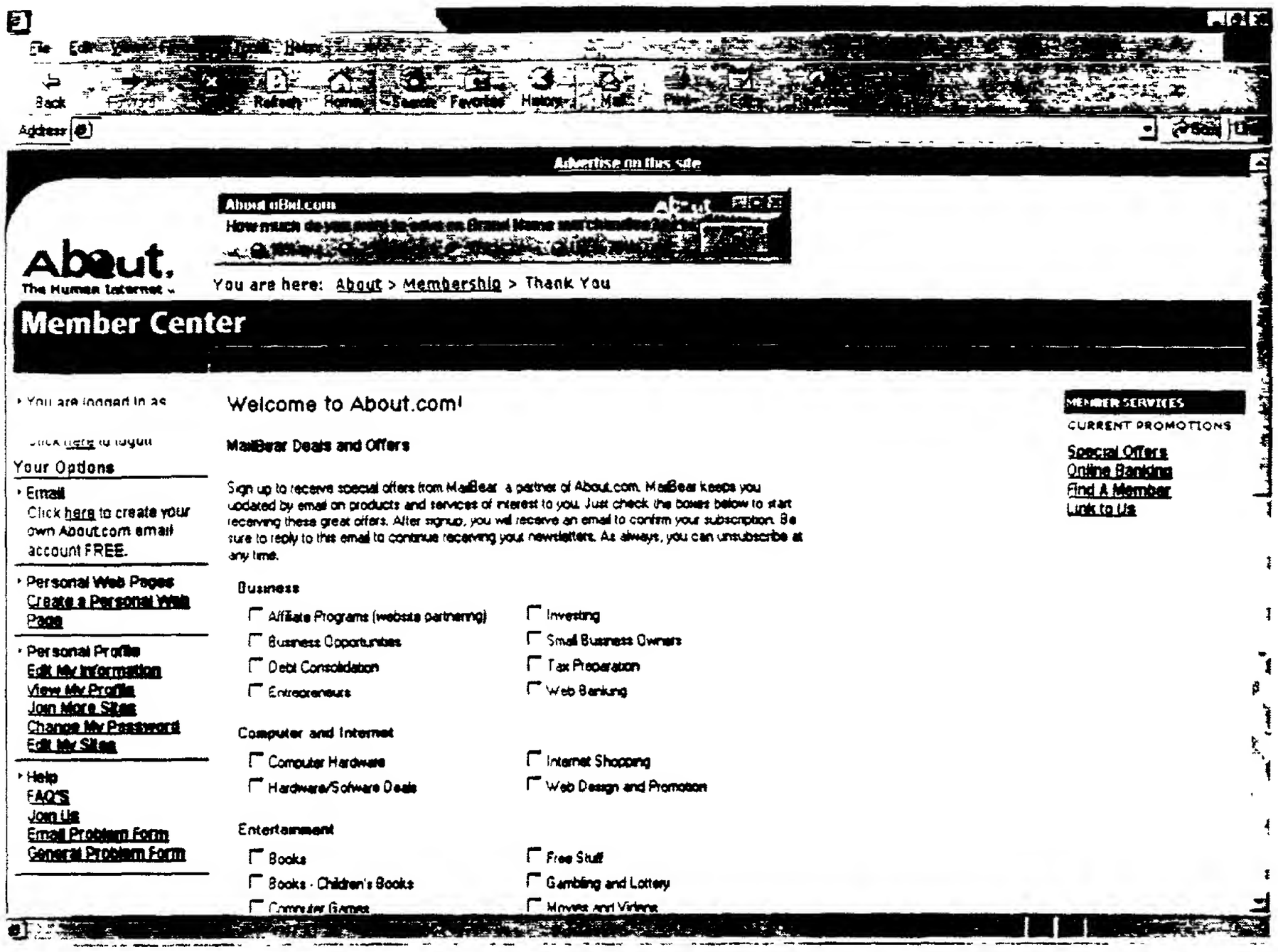

SHOP L.L.BEAN ON-LINE
click here
MY VAULT
HELP
LOGOUT
user agreement
In conformance with the system privacy policy, before we auto-register you for About com, we would like to show you which information we will be sending to About.com and allow you to confirm your decision to transfer this data.
First Name
Last Name
Email Address
Birth Month
Birth Day
Birth Year
Gender
Zip Code
920

Fig. 9C


MY VAULT
HELP
LOGOUT
auto registration
A new window will open momentarily to complete the autoregistration process. From this window, you will be automatically logged into About com and may continue freely.
Note: There is a small chance the About com window will report an error If that happens, please click here.

930

Fig. 9D

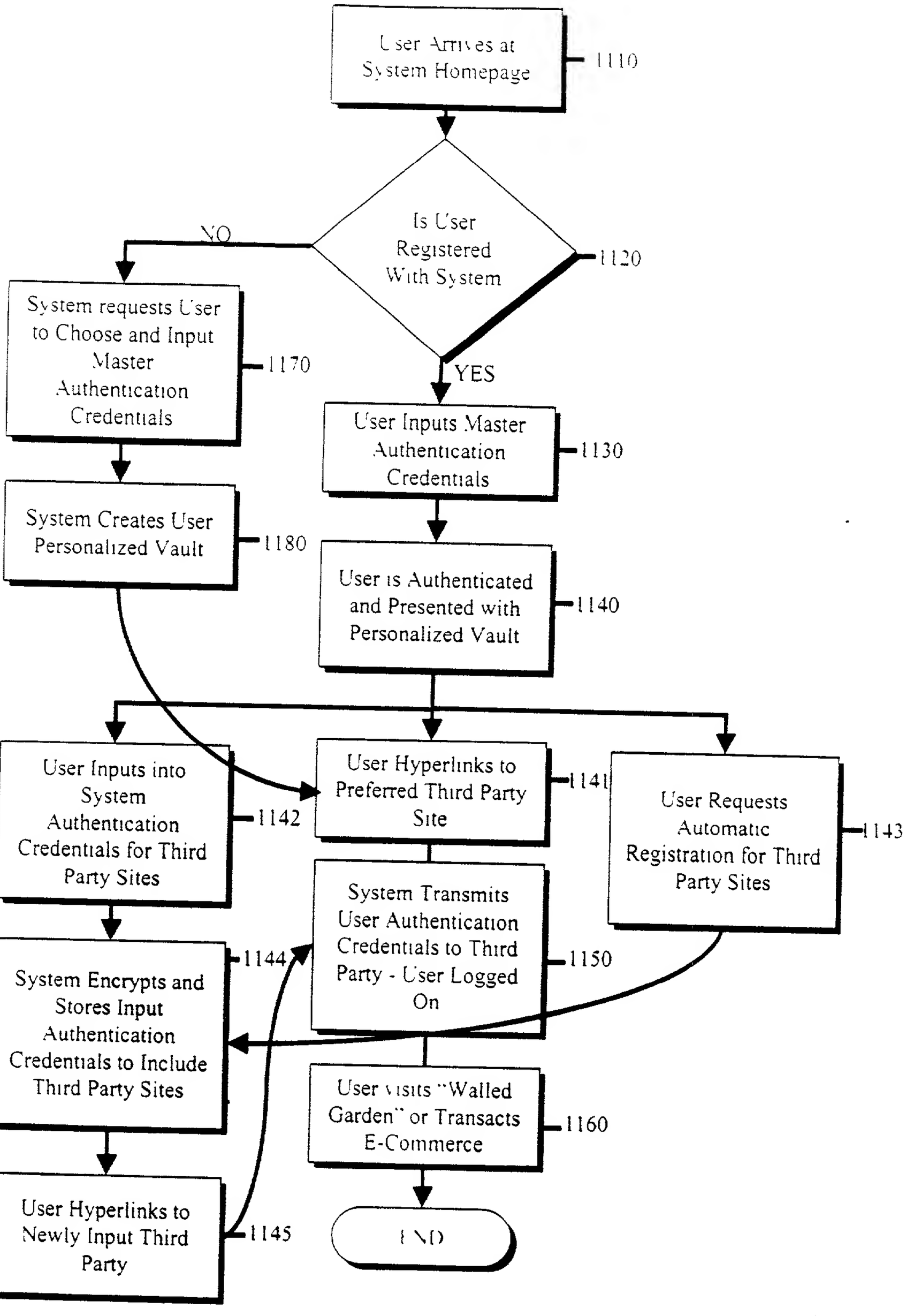

Back
Refresh
Favorites
History
Address
Advertise on this site
About uBid.com
About.
The Human Internet
You are here: About > Membership > Thank You
Member Center
Welcome to About.com!
MailBear Deals and Offers
Sign up to receive special offers from MailBear, a partner of About.com. MailBear keeps you updated by email on products and services of interest to you. Just check the boxes below to start receiving these great offers. After signup, you will receive an email to confirm your subscription. Be sure to reply to this email to continue receiving your newsletters. As always, you can unsubscribe at any time.
Your Options
Email
Click here to create your own About.com email account FREE.
Personal Web Pages
Create a Personal Web Page
Personal Profile
Edit My Information
View My Profile
Join More Sites
Change My Password
Edit My Sites
Help
FAQ'S
Join Us
Email Problem Form
General Problem Form
Business
Affiliate Programs (website partnering)
Business Opportunities
Debt Consolidation
Entrepreneurs
Investing
Small Business Owners
Tax Preparation
Web Banking
Computer and Internet
Computer Hardware
Hardware/Software Deals
Internet Shopping
Web Design and Promotion
Entertainment
Books
Books - Children's Books
Free Stuff
Gambling and Lottery
MEMBER SERVICES
CURRENT PROMOTIONS
Special Offers
Online Banking
Find A Member
Link to Us

940

1010 — The System

FIG. 10

Fig 11


User Arrives at System Homepage
1110
Is User Registered With System
1120
NO
YES
System requests User to Choose and Input Master Authentication Credentials
1170
User Inputs Master Authentication Credentials
1130
System Creates User Personalized Vault
1180
User is Authenticated and Presented with Personalized Vault
1140
User Inputs into System Authentication Credentials for Third Party Sites
1142
User Hyperlinks to Preferred Third Party Site
1141
User Requests Automatic Registration for Third Party Sites
1143
System Encrypts and Stores Input Authentication Credentials to Include Third Party Sites
1144
System Transmits User Authentication Credentials to Third Party - User Logged On
1150
User Hyperlinks to Newly Input Third Party
1145
User visits "Walled Garden" or Transacts E-Commerce
1160
END